Derrick Rioba Ongwae | Software Developer

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SUMMARY

I'm a motivated ICT professional, with hands on experience in computer programming, networking, database management and technical support. I am eager to leverage my skills in a dynamic internship where I can contribute to innovative projects and further develop my technical expertise, particularly in supporting IT infrastructure and user services.

SKILLS

- **Programming Languages:** Python, JavaScript
- **Web Development:** HTML, CSS, React, Flask
- **Database Management:** PostgreSQL, MySQL
- **Networking:** Network/Access point setup, configuration and troubleshooting
- **Technical Support** : Hardware and software troubleshooting, user support, Windows OS, office 365
- **Soft Skills**: Problem-solving, teamwork, effective communication, report writing

PROJECTS

1. **Derrick's Demo** (Main App, Admin App)(https://demo-project-f-end.vercel.app/)

Description: Developed a web-based React based application for viewing and submitting art. The platform is user-friendly, secure and scalable, serving as attest bed for new ideas and design choices.

- Role: Sole Developer
- Key Technologies/Tools Used: Flask, Javascript, React, Swagger(backend documentation and testing)
- Key Achievements:

  I. Facilitates user registration, login and logout Functionality
  II. Implemented file posting , viewing and liking features
 III. Developed running admin platform for user, artwork and comment management

2. **Fund Girls** (https://automated-donation-platform-front-end.vercel.app/)

Description: Developed a web-based donation platform that enables users to create and host charities, as well make donations. The platform was designed to be user-friendly, secure and scalable to accommodate multiple charity campaigns.

- Role: Scrum Master / Group Lead
- Key Technologies/ Tools used: Flask, Javascript, React, Swagger(backend documentation and testing)
- Key Achievements:
  - I. Led a cross-functional team through the development process, ensuring timely delivery of features and maintaining high code quality.

  - II. Successfully integrated a responsive user interface, with a robust back end, enabling seamless charity creation and donation processing.

EXPIRIENCE

Industrial Attachment | Kenya Technical Trainers College (KTTC)
September 2021 – December 2021
Responsibilities:

- Assisted in the maintenance and troubleshooting of computer systems.

- Supported the implementation of new software and ICT infrastructure.

- Conducted training sessions for staff on basic computer usage and software applications.

- Worked closely with the IT team to ensure the smooth operation of all ICT services.

Industrial Attachment | Kenyatta National Hospital (KNH)
October 2022 – December 2022
Responsibilities:

- Provided technical support to hospital staff, ensuring minimal downtime of ICT services.

- Assisted in the management and security of the hospital's network infrastructure.

- Participated in the setup and configuration of new computer systems and networks.

- Collaborated with the IT team to implement data backup and recovery solutions.

EDUCATION

Moringa Institute
Software engineering, February 2024 – August 2024

Completed a six month course in software development that took me through the ins and outs of software development, where I covered the following stacks;

- Introduction to Programming(HTML, CSS, JavaScript)
- React
- Python
- Python Flask

Nairobi Technical Training Institute (NTTI) | (Grade: Credit)
Diploma in Information Communication Technology (ICT), September 2020 - September 2023

I undertook a three year diploma course in Information Communication Technology at NTTI, and completed all three modules

While attending college I undertook the following in each module:

1) Module 1 (Grade: credit)
   - Computational Math
   - Introduction to ICT and ethics
   - Communication skills
   - Operating system
   - Business
   - Computer applications 1

2) Module 2 (Grade: credit)
   - System analysis and design
   - Computer applications 2
   - Database management systems
   - Object oriented programming
   - Quantitative methods

- Visual programming

3) Module 3 (Grade : credit)
- Data communications and networks
- Principles and practice of management
- Management information systems
- Internet based programming